



ATTORNEY DOCKET NO.:1510713.0002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re the Patent Application of:

BEVAN, Stuart F. et al.

Serial No.: 09/409,990

Group Art Unit: 2877

Filed: September 30, 1999

Examiner: LEE, Andrew

Title: CONTROLLER FOR OIL WELLS USING A HEATED PROBE SENSOR

Assistant Commissioner of Patents

Washington, D.C. 20231

**AMENDMENT**

Dear Sir:

In response to the Examiner's Office Action mailed July 31, 2002, please amend the above identified patent application as follows:

**IN THE CLAIMS**

Please delete Claims 1-14.

Please add Claims 15-26 as follows:

15. (New) A method for controlling an oil well pump for pumping oil from a well bore comprising the steps of:

receiving first and second temperature signals from respective first and second temperature sensors placed in an output oil flow from said oil well pump; said first and second temperature signals indicative of respective first and second temperatures of said output oil flow proximate to said first and second temperature sensors; said first sensor spaced from said second sensor in said output oil flow;

heating a first region of said output oil flow proximate to one of said first and second temperature sensors;

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